

TABLE X (RAGS D IEUBK LEAD WORKSHEET)**Site Name: Example Site, Neighborhood 2****Receptor: Future Residential Child (Age 0 to 84 Months) Exposure to Media as Described****1. Lead Screening Questions**

Medium	Lead Concentration used in Model Run		Basis for Lead Concentration Used for Model Run	Lead Screening Concentration		Basis for Lead Screening Level
	Value	Units		Value	Units	
Soil	1000	mg/kg	Average Detected Value	400	mg/kg	Recommended Soil Screening Level
Water	4	ug/L	Average Detected Value	15	ug/L	Recommended Drinking Water Action Level

2. Lead Model Questions

Question	Response for Residential Lead Model
What lead model (version and date) was used?	IEUBK version 0.99d, 1994
Where are the input values located in the risk assessment report?	Located in Appendix 3
What range of media concentrations were used for the model?	Refer to sampling data table 2
What statistics were used to represent the exposure concentration terms and where are the data on concentrations in the risk assessment that support use of these statistics?	Mean value of backyard and side yard. Data presented in Appendix 3.
Was soil sample taken from top 2 cm? If not, why?	Yes
Was soil sample sieved? What size screen was used? If not sieved, provide rationale.	Yes, 250 um
What was the point of exposure/location?	Residential yard in Neighborhood 2: back yard and side yard composite.
Where are the output values located in the risk assessment report?	Located in Appendix 3
Was the model run using default values only?	Yes, except for soil and dust concentration data.
Was the default soil bioavailability used?	Yes. Default is 30%
Was the default soil ingestion rate used?	Yes. Default values for 7 age groups are 85, 135, 135, 100, 090, and 85 mg/day
If non-default values were used, where are the rationale for the values located in the risk assessment report?	Located in Appendix 3

3. Final Result

Medium	Result	Comment/PRG ¹
Soil	Input value of 1000 ppm in soil (and MSA derived dust of 710 ppm) results in 42.7% of children 0-84 months above a blood lead level of 10 ug/dL. Geometric mean blood lead = 9.5 ug/dL. This exceeds the blood lead goal as described in the 1994 OSWER Directive of no more than 5% of children exceeding 10 ug/dL blood lead.	Based on site conditions, a PRG of 354 ppm in soil is indicated. This PRG is typically rounded to 400 ppm.

1. Attach the IEUBK text output file and graph upon which the PRG was based as an appendix. For additional information, see www.epa.gov/superfund/programs/lead